

Copyright is owned by the Author of the thesis. Permission is given for a copy to be downloaded by an individual for the purpose of research and private study only. The thesis may not be reproduced elsewhere without the permission of the Author.

**Experiences of early adopters
in changing their thinking regarding teaching practices
for the online environment in a New Zealand university**

A thesis presented in partial fulfilment of the requirements of the degree of

Master of Education in Adult Education

at Massey University, Wellington, New Zealand

Julia Leah Hallas

2005

Abstract

The aim of this thesis was to investigate how early adopters changed their thinking regarding teaching practices for the online environment. The study investigated how early adopters adapted and developed their classroom based teaching practices for the online environment, the effect of online teaching practices on their students' learning, and the types of professional development lecturers engaged in to learn about online teaching practices.

A mainly qualitative approach, within a case study method, was used to undertake the research in a medium sized, New Zealand university, where the researcher is an academic developer in the centralised professional development unit, jointly responsible for supporting staff in online teaching practices. Written informed consent was obtained from lecturers participating in this study. A mail-in survey, individual interviews and online course observations were used to gather data for the research questions. This is a limited case study owing to the small size of the sample.

The study concluded that early adopters changed their thinking about teaching practices over time, adapting and developing student-centred approaches to learning for the online environment. The study found that early adopters' perceptions of student learning was of a higher quality online, than in the classroom, owing to student learning approaches being deeper, more interactive and collaborative. Finally, the study showed that a majority of early adopters did not engage in research based professional development activities, which made changing their thinking from teacher-centred to student-centred online teaching practices, difficult and stressful.

Acknowledgements

I would like to acknowledge the guidance of Alison Viskovic and Linda Leach in their supervision of this thesis. Their support, patience and attention to detail was gratefully received. A special thank you to Philip and Rebecca for their never-ending patience and encouragement. Finally, I would like to thank my colleagues who have been supportive and understanding of the time I required to complete this thesis.

Ethics approval

Ethics approval was obtained from MUHEC and the Human Ethics Committee in the institution where this study takes place.

Declaration

I hereby certify that this material, which I now submit for assessment on the programme of study leading to the award of Master of Education (Adult Education), is entirely my own work and has not been taken from the work of others, except where that work has been cited and acknowledged within the text of my own work.

Copyright statement

I assert my moral right to be identified as the author of this work.

Table of Contents

ABSTRACT	I
ACKNOWLEDGEMENTS.....	II
ETHICS APPROVAL	II
DECLARATION	III
COPYRIGHT STATEMENT.....	III
TABLE OF CONTENTS.....	IV
CHAPTER 1: INTRODUCTION.....	1
DEFINITIONS	1
THE SETTING.....	3
BACKGROUND TO THE STUDY	4
CURRENT RESEARCH.....	5
ONLINE ENVIRONMENTS	5
CHANGING LECTURERS' THINKING.....	6
SUMMARY	7
STRUCTURE OF THE THESIS	8
RESEARCH AIM AND QUESTIONS.....	8
<i>Research questions:</i>	8
CHAPTER 2: LITERATURE REVIEW.....	10
PART ONE	10
<i>Current research into online learning</i>	10
<i>The adoption of technology</i>	11
<i>Teaching practice in tertiary education</i>	14
<i>Using technology to enhance learning</i>	15
SUMMARY OF PART ONE.....	17
PART TWO.....	18
<i>Transferring teaching practices</i>	18
<i>Recommended teaching practices for online learning</i>	20
<i>Implications for professional developers</i>	26
SUMMARY	28

CHAPTER 3: METHODOLOGY AND IMPLEMENTATION OF RESEARCH	30
PART ONE: METHODOLOGY.....	30
<i>The research design.....</i>	30
<i>Consideration of narrative and case study approaches.....</i>	33
<i>The research questions</i>	35
<i>Selection of participants</i>	36
<i>Ethical considerations</i>	36
<i>The role of the researcher.....</i>	39
SUMMARY OF METHODOLOGY.....	39
PART TWO: IMPLEMENTATION OF RESEARCH.....	39
<i>The survey.....</i>	40
<i>The interview.....</i>	40
<i>The observation.....</i>	41
DATA ANALYSIS PROCEDURES	42
<i>Managing data</i>	42
<i>Content analysis</i>	42
<i>Limitations of the research</i>	44
SUMMARY	46
CHAPTER 4: FINDINGS.....	47
SURVEY FINDINGS.....	47
<i>Graph 1: Mode of teaching.....</i>	48
<i>Graph 2: Number of courses taught each semester.....</i>	49
<i>Graph 3: Redevelopment of online course design.....</i>	49
<i>Graph 4: Professional development activities undertaken</i>	50
<i>Graph 5: Useful professional development activities undertaken.....</i>	51
<i>Graph 6: Most effective online learning strategy.....</i>	51
<i>Graph 7: Theories underlying online course design.....</i>	53
<i>Graph 8: New skills acquired for online teaching.....</i>	54
<i>Graph 9: New skills lecturers would like to learn.....</i>	55
SUMMARY OF THE SURVEY RESULTS	56
OVERVIEW OF INTERVIEW PARTICIPANTS' ONLINE COURSES	56
<i>Fully online courses.....</i>	56
<i>Blended learning courses.....</i>	57

<i>Online course observation</i>	57
INDIVIDUAL INTERVIEWS AND ONLINE COURSE OBSERVATIONS.....	57
(A) <i>Planning and purpose.....</i>	58
(B) <i>Process.....</i>	61
(C) <i>Feedback.....</i>	63
(D) <i>Assessment of students.....</i>	64
(E) <i>Outcomes.....</i>	66
(F) <i>Reflective self-evaluation related to online courses</i>	67
(G) <i>Communication and scholarship related to online learning.....</i>	69
SUMMARY OF FINDINGS	69
CHAPTER 5: DISCUSSION.....	71
ADAPTING AND DEVELOPING ONLINE TEACHING PRACTICES	71
<i>Online course design</i>	71
<i>Online teaching strategies</i>	74
<i>Online assessment</i>	78
<i>Online feedback.....</i>	81
EFFECTS ON STUDENTS' LEARNING	82
PROFESSIONAL DEVELOPMENT ACTIVITIES.....	83
<i>Professional development undertaken.....</i>	83
<i>Future professional development</i>	84
SUMMARY	85
CHAPTER 6: CONCLUSIONS	87
SUMMARY OF THE STUDY.....	87
LIMITATIONS	88
CONCLUSIONS AND RECOMMENDATIONS FOR PROFESSIONAL DEVELOPERS	88
<i>Course design.....</i>	89
<i>Facilitating online learning</i>	90
<i>Online teaching strategies</i>	90
<i>Assessment</i>	91
<i>Feedback.....</i>	91
EFFECTIVENESS OF ONLINE TEACHING PRACTICES ON STUDENTS' LEARNING.....	92
IMPLICATIONS FOR THE BODY OF KNOWLEDGE.....	92
RECOMMENDATIONS FOR FURTHER RESEARCH.....	93

CLOSING STATEMENT.....	93
REFERENCES	95
APPENDIX A.....	103
ONLINE LMS SERVICES MANAGER LETTER.....	103
APPENDIX B.....	104
1. MUHEC APPROVAL	104
2. ETHICS COMMITTEE APPROVAL FROM THE INSTITUTION WHERE THIS STUDY TAKES PLACE	
104	
APPENDIX C.....	105
PARTICIPANTS' DOCUMENTATION AS APPROVED BY MUHEC	105
1. <i>Interview schedule</i>	105
2. <i>Intermediary letter</i>	105
3. <i>Survey</i>	105
4. <i>Invitation for further participation</i>	105
5. <i>Participant information sheet</i>	105
6. <i>Consent form</i>	105
7. <i>Individual interview questions</i>	105
8. <i>Authority for release of tape transcripts</i>	105
9. <i>Online course observation form</i>	105
APPENDIX D.....	106
1. SURVEY ANALYSIS CODES	106
2. EXAMPLE OF SURVEY ANALYSIS	106
APPENDIX E.....	107
EXAMPLE OF ANNOTATED NOTES ON AN INDIVIDUAL INTERVIEW	107
APPENDIX F.....	108
PHASE TWO ANALYSIS FROM INDIVIDUAL INTERVIEW	108